



- Bunching cavities: a prototype is in bidding process
 - no choice has been made yet
- Quadrupoles: development in BARC, India
 - Finalizing drawings of a quadrupole triplet assembly
 - Dipole prototype has been manufactured and successfully tested
 - In parallel, the triplet vacuum chamber with a BPM was designed at FNAL
 - The triplet will be assembled with a chamber mockup
 - Threaded studs instead of SMA connectors and BPM plates
 - Production drawings of a mockup are being finalized
- Absorber
 - The prototype was tested to full power density (absorbed power ~2.3kW)
 - Postponed power cycling tests because a failure would be fatal for the test bench
 - A concept of a second prototype is in works
 - More robust design; simpler manufacturing; management of secondary particles
- Scrapers
 - Estimations for a radiation – cooled TZM plate and tests with e-beam



- 50- Ohm kicker
 - Parts are expected to come in August, and then assembling will start
 - All cables were bent; samples were tested for baking and trimming
- 200- Ohm kicker
 - Conceptual design is done
 - Will use AlN ceramic and vacuum-compatible epoxy
 - Drawings are being finalized for a full-scale helix prototype
 - Includes a feedtrough and transmission lines
- 200- Ohm kicker driver
 - Preparing for power tests of 100 V version
 - Assembling boards for a higher voltage driver
- BPMs
 - Several meetings about specs; seemed to agree on parameters
 - Waiting for specification draft from Instrumentation
 - Were not able to order buttons for BPM prototype